

Serial Number: C9/937,204

CRF Processing Date: 5/1/02  
 Edited by: DC  
 Verified by: DC (STIC staff)

*5000*

ENTERED

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically:
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other \_\_\_\_\_
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: \_\_\_\_\_
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: \_\_\_\_\_
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: \_\_\_\_\_
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: \_\_\_\_\_
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: \_\_\_\_\_
- ☒ Deleted: ☒ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as \_\_\_\_\_
- ☐ Inserted mandatory headings, specifically: \_\_\_\_\_
- ☐ Corrected an obvious error in the response, specifically: \_\_\_\_\_
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: \_\_\_\_\_
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: \_\_\_\_\_
- ☐ Other: \_\_\_\_\_

\*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.



PCT09

## RAW SEQUENCE LISTING

DATE: 05/01/2002

PATENT APPLICATION: US/09/937,204

TIME: 11:41:47

Input Set : A:\PTO.DC.txt

Output Set: N:\CRF3\05012002\I937204.raw

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4 <110> APPLICANT: Fritig, Bernard
5     Toquin, Valerie
6     Geoffroy, Pierrette
7     Legrand, Michel
8     Kauffmann, Serge
11 <120> TITLE OF INVENTION: INDUCIBLE COMTII PROMOTER, CHIMERA GENE
12     CONTAINING SAME AND TRANSFORMED PLANTS
15 <130> FILE REFERENCE: A34638-PCT-USA
17 <140> CURRENT APPLICATION NUMBER: US 09/937,204
18 <141> CURRENT FILING DATE: 2000-03-22
20 <150> PRIOR APPLICATION NUMBER: PCT/FR99/03700
21 <151> PRIOR FILING DATE: 1999-03-22
23 <150> PRIOR APPLICATION NUMBER: PCT/FR99/07646
24 <151> PRIOR FILING DATE: 1999-06-11
26 <160> NUMBER OF SEQ ID NOS: 26
28 <170> SOFTWARE: FastSEQ for Windows Version 4.0
30 <210> SEQ ID NO: 1
31 <211> LENGTH: 1863
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33 <213> ORGANISM: Nicotiana tabacum
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36 <221> NAME/KEY: misc_signal
37 <222> LOCATION: (667)...(672)
38 <223> OTHER INFORMATION: Inverted W box
40 <221> NAME/KEY: misc_RNA
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42 <223> OTHER INFORMATION: Inverted L box
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45 <222> LOCATION: (845)...(852)
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49 <223> OTHER INFORMATION: P box
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52 <222> LOCATION: (1221)...(1226)
53 <223> OTHER INFORMATION: G box
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56 <222> LOCATION: (1343)...(1356)
57 <223> OTHER INFORMATION: Inverse L box
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60 <222> LOCATION: (1369)...(1374)
61 <223> OTHER INFORMATION: A box
W--> 63 <221> misc_signal
64 <222> LOCATION: (1377)...(1382)

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## RAW SEQUENCE LISTING

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Input Set : A:\PTO.DC.txt

Output Set: N:\CRF3\05012002\I937204.raw

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65 <223> OTHER INFORMATION: GT box
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.W--> 71 <221> misc_signal
72 <222> LOCATION: (1562)...(1567)
73 <223> OTHER INFORMATION: Inverted W box
.W--> 75 <221> misc_signal
76 <222> LOCATION: (1600)...(1614)
77 <223> OTHER INFORMATION: L box
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80 <222> LOCATION: (1675)...(1679)
W--> 82 <221> misc_signal
83 <222> LOCATION: (1681)...(1690)
84 <223> OTHER INFORMATION: E box
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87 <222> LOCATION: (1695)...(1699)
W--> 89 <221> TATA_signal
90 <222> LOCATION: (1735)...(1739)
W--> 92 <221> misc_signal
93 <222> LOCATION: (1772)...(0)
94 <223> OTHER INFORMATION: Transcription origin
W--> 96 <400> 1
97 aaagttaggg acaatctata gtgtcacaaa gttgcttatg gcttttggtt cagataaaga 60
98 aaaagaacag cattttaatt tgtgaagatt agtctgagca gaatttcatt gtatctagaa 120
99 agaaattgaa aaaagaaata ttctatttca ctattatggt aggtgcaact atatcatcac 180
100 catggaaaag ccggagtaaa aagagaacgt agaggagatt tcatgatttg attgagaata 240
101 taatatatta tttttttgta attccacaca aagattaaga aaatgatctg atcaatgatg 300
102 gctccgagga tttggctgtc gcgggaacta tgacattaat ataaatttgt cgctgcctat 360
103 aaagacccta tctatctatc tatctatcta tatatatata tatatatata tatatatata 420
104 tatatatata tatatatata tatatatata tatatataag cgctaataat tgattatttt 480
105 ttaaaaaatat ttataagtat atatgaaatt tttgacgaaa tttttgtgtg accgtgaccc 540
106 ctcaacctat agtgtgcgtc cacctgtgcc aacaatatag agacaatttg ctctgtatagt 600
107 cagaaagagt gttttacttt ttagttgctt ttagtgtaat ctactcggta taaagttaaa 660
108 ttagtggtgc aataagtcgg gtgaatagtt aaagaaaaca gtggtgagtt tagctgtcaa 720
109 ataatttctt ctttttcttg ttttcacatt agaaatcaaa ataaaacaca agctttttgt 780
110 atttatttta acacaagcta atttatatgtt tatatgctgg ttaggtgaag taaagcatgt 840
111 tatatagga aagtacgaag aaaatgtgcc aattgtcgtg tacagcaaag cagccagcac 900
112 aagcaaatc gcacttgata agtggctaag tccactttct agtggaccta gtggttcact 960
113 aacttttacc aaaaaggcaa taatttgcaa ttcaaaaaga aaaaaggaaa aaagaaaact 1020
114 agacagactt taacacacca actcccacag gaagcaacaa tgcaactcac aaaaggaaac 1080
115 cgagtttttc cgcgacggat ctagaatttg ggttcattct ttacgctttt tcgtatttaa 1140
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117 tttatatata agtgatact ccacgtctcc ggatactaca ttagcctcta gggttcttaa 1260
118 tactcttgtt aaattgtcca ggcctcaaac gcatgttcgt ttcaatttta acggatgttt 1320
119 ccgaacaact ccaaagtgtc aatgttaggt gtgtttggtg ttaagcttcc gtcctaggtt 1380
120 aatagaatag ataattgttg tttcttatat agttttgaac aatcgtcgcc ataaactaat 1440
121 ttttaggatg gaagctaatt tttaggatgg agtacagcct aaggttaaaa tataactata 1500
122 aaaaatatcc ataaaaggtg aaatttaatt agtaacatga aaagataaaa ctagtgttat 1560

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Output Set: N:\CRF3\05012002\I937204.raw

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124 acatgtctact gtgcaattga aaaataaaca aaagagaacc agacaatatt tcaaccaata 1680
125 ttccatcaag aaaaccaatt atgacaattc ttaaccaaag tcacaactaa cacttataaa 1740
126 aagcactaac tcaactgtac atgattgtga agcctaacaa aaacactcta aaaggaaaag 1800
127 actacgagaa taattacact acaactctta tagctaattc ttgtctcaag attttcagct 1860
128 atg
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133 <213> ORGANISM: Nicotiana tabacum
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137 <222> LOCATION: (1)...(1860)
139 <221> NAME/KEY: misc_signal
140 <222> LOCATION: (1772)...(0)
141 <223> OTHER INFORMATION: Transcription origin
W--> 143 <221> intron
144 <222> LOCATION: (2282)...(3633)
W--> 146 <221> intron
147 <222> LOCATION: (3945)...(4726)
W--> 149 <221> terminator
150 <222> LOCATION: (5090)...(5371)
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155 agaaattgaa aaaagaaata ttctatttca ctattatggt aggtgcaact atatcatcac 180
156 catggaaaag ccggagtaaa aagagaacgt agaggagatt tcatgatttg attgagaata 240
157 taatatatta tttttttgta attccacaca aagattaaga aaatgatctg atcaatgatg 300
158 gctccgagga tttggctgtc gcgggaacta tgacattaat ataaatttgt cgctgcctat 360
159 aaagacccta tctatctatc tatctatcta tatatatata tatatatata tatatatata 420
160 tatatatata tatatatata tatatatata tatatataag cgctaattatt tgattatttt 480
161 ttaaaaaatat ttataagtat atatgaaatt tttgacgaaa tttttgtgtg accgtgaccc 540
162 ctcaacctat agtgtgcgtc cacctgtgcc aacaatatag agacaatttg ctctgtatagt 600
163 cagaaagagt gttttacttt ttagttgctt ttagtgtaat ctactcggta taaagttaaa 660
164 ttagtggtgc aataagtcgg gtgaatagtt aaagaaaaca gtggtgagtt tagctgtcaa 720
165 ataatttctt ctttttcttg ttttcacatt agaaatcaaa ataaaacaca agctttttgt 780
166 atttatttta acacaagcta attatatgtt tatatgctgg ttaggtgaag taaagcatgt 840
167 taatatagga aagtacgaag aaaatgtgcc aattgtcgtg tacagcaaag cagccagcac 900
168 aagcaaattc gcacttgata agtggctaag tccactttct agtggaccta gtggttcact 960
169 aacttttacc aaaaaggcaa taatttgcaa ttcaaaaaga aaaaaggaaa aaagaaaact 1020
170 agacagactt taacacacca actccacag gaagcaacaa tgcaactcac aaaaggaaac 1080
171 cgagtttttc cgcgacggat ctagaatttg ggttcattct ttacgctttt tcgtattaaa 1140
172 ctcatatatat ttgtataatt atgggtttat attttttatt tattgtaatt tttgtaaaat 1200
173 tttatatata agtgataact ccacgtctcc ggatactaca ttagcctcta gggttcttaa 1260
174 tactcttggt aaattgtcca ggctccaaac gcatgttcgt ttcaatttta acggatgttt 1320
175 ccgaacaact ccaaattgtt aatgttaggt gtgttttggt ttaagcttcc gtcctagggt 1380
176 aatagaatag ataattgttg tttcttatat agttttgaac aatcgtcgcc ataaactaat 1440
177 ttttaggatg gaagctaatt tttaggatgg agtacagcct aaggttaaaa tataactata 1500
178 aaaaatatcc ataaaaggtg aaatttaatt agtaacatga aaagataaaa ctagtgttat 1560

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## RAW SEQUENCE LISTING

DATE: 05/01/2002

PATENT APPLICATION: US/09/937,204

TIME: 11:41:47

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Output Set: N:\CRF3\05012002\I937204.raw

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179 cgggtcaaaact ttcaaaaagag aaagaaataa ctagacaaac ttcaacaacc aacctgcccc 1620
180 acatgctact gtgcaattga aaaataaaca aaagagaacc agacaatatt tcaaccaata 1680
181 ttccatcaag aaaaccaatt atgacaattc ttaaccaaag tcacaactaa cacttataaa 1740
182 aagcactaac tcaactgtac atgatttgtga agcctaacaa aaacactcta aaaggaaaag 1800
183 actacgagaa taattacact acaactctta tagctaattc ttgtctcaag attttcagct 1860
184 atggaatcct caacccaaaag ccaaatacca acacaatcag aagaagagcg taactgcaca 1920
185 tatgccatgc aactattgtc atcttcagtc ctcccccttg tgttgcatte aacaattcaa 1980
186 ttggaagttt ttgagatatt agccaaatct aatgacacta aactttctgc ttctcaaatt 2040
187 gtttctcaaa ttcttaactg caaaaaacct gaagcaccta ctatgtttaa taggatgctt 2100
188 tatgtcttgg ctagttactc cttgtttact tgttccattg ttgaagatga aaaaaataat 2160
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192 ttcacaagac aagattctta agttttatta cttgtcgatt tatgttagtc gtatgtgcta 2400
193 gtgttattat tctccatctg atccttttat tggtcacttt acctaaaaat attgttaca 2460
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207 aggtgtttt cgaaagactc tcggctcaag aacattaaaa atttgagaaa acaaaatata 3300
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223 aaaactcttt ttaaaccctc ctaccccat tccccctctc cctctcccc aacaccaccc 4260
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225 ctttctctta attgaactct tgtaactaaa ccatttgccc cccaccctat agtgtttgcc 4380
226 taaattttat atttttcaa ataataattt ctatttacta attaaacatt agaaaatatt 4440
227 tttcggattt ttttccactc accaaccaag catgggaaaa tagtgataaa actactcatt 4500

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## RAW SEQUENCE LISTING

DATE: 05/01/2002

PATENT APPLICATION: US/09/937,204

TIME: 11:41:48

Input Set : A:\PTO.DC.txt

Output Set: N:\CRF3\05012002\I937204.raw

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230 aaccacatga acaaaatggt tgagctctgc gaattgtgat atatgatttg cttatgtgtt 4680
231 gtgcactatc aattacttaa attaaacttc atctaataat attgcagggg tggaacatgt 4740
232 tgggggagat atgtttgaaa gtgttccaga aggagatgct atttttatga agtggattct 4800
233 tcatgactgg agtgatagtc acaacctcaa gttgctaaag aactgctaca aggcctctacc 4860
234 agacaatgga aaggtgattg ttgttgaggc cattttacca gtgaaaccag acattgacac 4920
235 cgcagtgggt ggcgtttcgc aatgtgattt gatcatgatg gctcaaaatc ctggaggcaa 4980
236 agagcgatcg gaagaggagt ttcgagcctt ggctactgaa gctggattca aaggcgtaa 5040
237 cttaatatgt tgtgtctgta atttttgggt catggaattc tgcaagtaga tttctactgt 5100
238 acattgagtt tctactactc ttgagtatcc atttatggca atctgggact ggaattgcag 5160
239 cttagtccag attgaacatt gatattccta ataataatttc tattatttcc cttgtttatt 5220
240 tctcttgtat gaaaggatgt cattttgagt attgataatc atgttctcta ggacagaaat 5280
241 tgtaactttg tccaacttta ttgatattcc tagtaagatt tatatgacat gtgtctctgg 5340
242 tttgagaaga gtttcaatat ctacagacgg g 5371
243 <210> SEQ ID NO: 3
244 <211> LENGTH: 1095
245 <212> TYPE: DNA
246 <213> ORGANISM: Nicotiana tabacum
248 <220> FEATURE:
249 <221> NAME/KEY: CDS
250 <222> LOCATION: (1)...(1095)
252 <400> SEQUENCE: 3
253 atg gaa tcc tca acc aaa agc caa ata cca aca caa tca gaa gaa gag 48
254 Met Glu Ser Ser Thr Lys Ser Gln Ile Pro Thr Gln Ser Glu Glu Glu
255 1 5 10 15
257 cgt aac tgc aca tat gcc atg caa cta ttg tca tct tca gtc ctc ccc 96
258 Arg Asn Cys Thr Tyr Ala Met Gln Leu Leu Ser Ser Ser Val Leu Pro
259 20 25 30
261 ttt gtg ttg cat tca aca att caa ttg gaa gtt ttt gag ata tta gcc 144
262 Phe Val Leu His Ser Thr Ile Gln Leu Glu Val Phe Glu Ile Leu Ala
263 35 40 45
265 aaa tct aat gac act aaa ctt tct gct tct caa att gtt tct caa att 192
266 Lys Ser Asn Asp Thr Lys Leu Ser Ala Ser Gln Ile Val Ser Gln Ile
267 50 55 60
269 cct aac tgc aca aaa cct gaa gca cct act atg tta aat agg atg ctt 240
270 Pro Asn Cys Thr Lys Pro Glu Ala Pro Thr Met Leu Asn Arg Met Leu
271 65 70 75 80
273 tat gtc ttg gct agt tac tcc ttg ttt act tgt tcc att gtt gaa gat 288
274 Tyr Val Leu Ala Ser Tyr Ser Leu Phe Thr Cys Ser Ile Val Glu Asp
275 85 90 95
277 gaa aaa aat aat ggg ggc caa aaa aga gtg tat ggt ttg tca caa gtg 336
278 Glu Lys Asn Asn Gly Gly Gln Lys Arg Val Tyr Gly Leu Ser Gln Val
279 100 105 110
281 gga aaa ttc ttt gtt aaa aat gaa aat ggt gca tca atg ggg cca ctt 384
282 Gly Lys Phe Phe Val Lys Asn Glu Asn Gly Ala Ser Met Gly Pro Leu
283 115 120 125
285 ttg gct ttg ctt caa aat aaa gta ttc ata aac agc tgg ttt gaa cta 432
286 Leu Ala Leu Leu Gln Asn Lys Val Phe Ile Asn Ser Trp Phe Glu Leu

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## VERIFICATION SUMMARY

DATE: 05/01/2002

PATENT APPLICATION: US/09/937,204

TIME: 11:41:49

Input Set : A:\PTO.DC.txt

Output Set: N:\CRF3\05012002\I937204.raw

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L:47 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:1  
L:51 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:1  
L:55 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:1  
L:59 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:1  
L:63 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:1  
L:67 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:1  
L:71 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:1  
L:75 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:1  
L:79 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:1  
L:82 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:1  
L:86 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:1  
L:89 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:1  
L:92 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:1  
L:96 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:1  
L:143 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:2  
L:146 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:2  
L:149 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:2  
L:152 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:2  
L:447 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:12  
L:536 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:14